ELSEVIER

Colloids and Surfaces
A: Physicochemical and Engineering Aspects 191 (2001) 285–286

COLLOIDS AND SURFACES A

www.elsevier.com/locate/colsurfa

Contents of Volumes 191

Vol. 191/1–2

(Special Issue: Colloids and Interfaces in Environmental Processes American Chemistry Society, 74th Colloid and Surface Science Symposium)

Preface
A.K. SenGupta (Bethlehem, PA, USA) and M. Elimelech (New Haven, CT, USA) 1
Role of spatial distribution of porous medium surface charge heterogeneity in colloid transport
J.Y. Chen (New Haven, CT, USA), C.-H. Ko (Taipei, Taiwan), S. Bhattacharjee and M. Elimelech (New Haven, CT, USA) 3
Enhanced adsorption of natural organic matter on calcium carbonate particles through surface charge modification
M. Bob and H.W. Walker (Columbus, OH, USA) 17
Fouling and rejection behavior of ceramic and polymer-modified ceramic membranes for ultrafiltration of oil-in-water emulsions and microemulsions
R.S. Faibish and Y. Cohen (Los Angeles, CA, USA) 27
Reactions of ferrous iron with hematite
B.-H. Jeon, B.A. Dempsey, W.D. Burgos and R.A. Royer (University Park, PA, USA) 41
Resolving macroscale and microscale heterogeneity in virus filtration
J.A. Redman (Irvine, CA, USA), M.K. Estes (Houston, TX, USA) and S.B. Grant (Irvine, CA, USA) 57
Polyacrylic acid adsorption and conformation in concentrated alumina suspensions
Z. Pan, A. Campbell and P. Somasundaran (New York, NY, USA) 71
Chelating ion-exchangers embedded in PTFE for decontamination of heavy-metal-laden sludges and soils
S. Sengupta (North Dartmouth, MA, USA) and A.K. SenGupta (Bethlehem, PA, USA). 79
Nanoscale iron particles for complete reduction of chlorinated ethenes
H.-L. Lien and W.-x. Zhang (Bethlehem, PA, USA) 97
Adsorption of metal ions onto goethite: single-adsorbate and competitive systems
P. Trivedi, L. Axe (Newark, NJ, USA) and J. Dyer (Wilmington, DE, USA) 107
Entropy-driven selective ion exchange for aromatic ions and the role of cosolvents
P. Li and A.K. SenGupta (Bethlehem, PA, USA) 123
Analysis of an observed relationship between colloid collision efficiency and mean collector grain size
J. Ren, A.I. Packman (Evanston, IL, USA) and C. Welty (Drexel, USA). 133
Modeling kinetics of copper uptake by inorganic colloids under high surface coverage conditions
K. Subramaniam and S. Yiacoumi (Atlanta, GA, USA). 145
Calcium and TOC loading: effect of hydroxyl and carboxyl substituents
H.T. Frederick (Wilkes-Barre, PA, USA), F.S. Cannon and B.A. Dempsey (University Park, PA, USA) 161
Aggregation and deposition kinetics of mobile colloidal particles in natural porous media
D. Grolimund (Villigen, Switzerland), M. Elimelech (New Haven, CT, USA) and M. Borkovec (Potsdam, NY, USA) 179

Calendar 189

Vol. 191/3

Chloromethyl-functionalized polymer particles through seeded polymerization
J.-G. Park, J.-W. Kim and K.-D. Suh (Seoul, South Korea) 193
Barite scale formation and dissolution at high ionic strength studied with atomic force microscopy
P. Risthaus, D. Bosbach, U. Becker and A. Putnis (Münster, Germany) 201
Properties of mixed adsorption films of aniline–*p*-fluoroaniline at the water/air interface
M. Paluch and J. Klich (Kraków, Poland). 215

Influence of transfer promoters on the deposition and wettability characteristics of copper tetra-tert-butyl phthalocyanine Langmuir–Blodgett films
I.-H. Ku, Y.-L. Lee, C.-H. Chang, Y.-M. Yang and J.-R. Maa (Tainan, Taiwan, ROC) 223
Geometrical and thermodynamical considerations about the lipid vesicles formation in water (II. Multilamellar vesicles)
C. Rodríguez-Flores, A.O. Vila, J. Figueruelo and F. Molina (València, Spain) 233
Nucleophilic substitution sulfonation in emulsions: effect of the surfactant counterion and different decyl halide reactants
M.M. Husein, J.H. Vera and M.E. Weber (Montreal, Canada) 241
The role of the meniscus in the drying of latex films
R.M. Pashley and M.E. Karaman (Canberra, Australia) 253
Crude tall-oil sodium salts micellization in aqueous solutions studied by static and dynamic light scattering
J.M.F. Nogueira and M.A.R.B. Castanho (Lisbon, Portugal) 263
A study of the microstructure of CTAB/1-butanol/octane/water system by PGSE-NMR, conductivity and cryo-TEM
X. Jian, L. Ganzuo (Jinan, People's Republic of China), Z. Zhiqiang (Potsdom, NY, USA), Z. Guowei and J. Kejian (Jinan, People's Republic of China) 269

Calendar 279
Author index 281
Subject index 283
Volume contents 285